中国偶角实蝇属记述*

(双翅目:实蝇科)

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偶角实蝇属 *Aischrocrania* Hendel, 1927隶于实蝇亚科、实蝇族,自亨特耳(Hendel, 1927)根据其模式种散带偶角实蝇 *A. aldrichi* Hendel 建立本属以来,世界现知共 4 种,除桠纹偶角实蝇 *A. jucunda* Ito 产于日本(北海道、九州)外,其余 3 种包括本篇记述的 1 新种均分布于中国。

本属两性成虫异型。雄性额中部明显洼陷,侧缘具嵴,部分种类的下侧额鬃直立、粗大,特化而呈刺状等特征与瘤额实蝇属 *Vidalia*. 近似,主要区别在于触角奇特,第 2 节前端上方具一明显的角形突;下侧额鬃 5—11 对不等。雌性因触角和下侧额鬃正常,鉴定时可结合标本的体色、翅斑及产地等一并加以考虑。

兹依据雄性特征列种类检索表如下。新种模式标本保存于北京农业大学植保系。

种检索表

1(4) 下侧额鬃 8—11 对,长而粗大,其中至少有 7—8 对特化成刺状; R_1 室中部的一褐色带纹自前缘伸达 r_{4+5} 脉

2(3) 触角第 2 节上的角形突狭长,约与触角的长度相等;沿翅痣、*r-m* 横脉向后伸展的褐色宽横带较短,仅达翅中部;罩盖 *m-cu* 横脉上的褐色横带终止于 r_{4+5} 脉,与翅端斑纹分离(中国:四川峨眉山)…………………………………… 散带偶角实蝇 *A. aldrichi* Hendel

3(2) 触角第 2 节上的角形突较短,仅等于触角长度的 1/2;沿翅痣、*r-m* 横脉向后伸展的褐色宽横带较长,达于翅后缘;罩盖 *m-cu* 横脉上的褐色横带与翅端斑纹联合(中国:台湾)…………………………………… 刺鬃偶角实蝇 *A. quadrimaculata* (Shiraki)

4(1) 下侧额鬃两侧不等:左 7,右 5,短而细弱,均不呈刺状; R_1 室中部的一褐色带纹终止于 R_3 室,不达 r_{4+5} 脉(中国:陕西日泉)…………………………………… 短带偶角实蝇 *A. brevimedia* sp. nov.

短带偶角实蝇 *Aischrocrania brevimedia* 新种(图 1-2)

雄 头部黄褐色,单眼三角黑色。额宽约为眼宽的 1.2 倍,中部洼陷,侧缘具矮嵴。下侧额鬃两侧不等:左 7,右 5,细弱、直立,均不呈刺状;上侧额鬃 2 对;单眼鬃弱短。触角第 2 节前上方具一明显的角形突,其长度约等于触角的 3/4,端半着生粗短鬃毛多根;角芒具短毛。新月片洼陷,半圆形。口缘中部呈八字形强烈向上深切至触角窝,中颜板除两侧的触角沟外,中区几乎消失。颊高约为眼高的 1/3。胸部除中胸后背片两侧的一对大形黑色斑点外,余均黄褐色;中胸盾片被黑色短毛;背中鬃位于前翅上鬃水平之后。翅透

本文于 1988 年 9 月收到。
* 承蒙北京农业大学杨集昆先生提供部分标本,特此致谢。

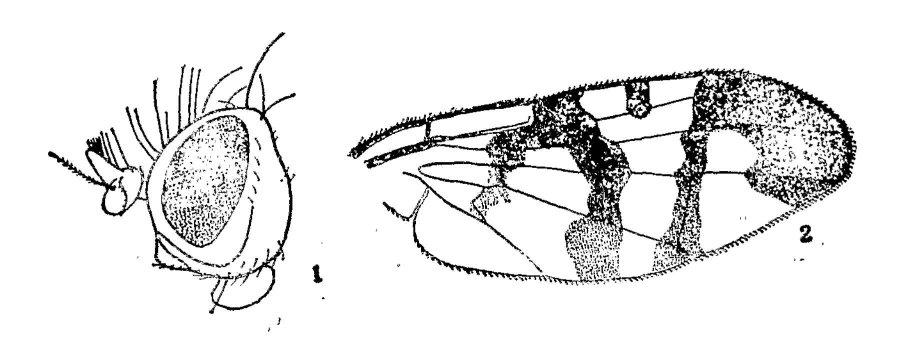


图 1-2 短带偶角实蝇 *Aischrocrania brevimedia* sp. nov. (♂)
1.头部侧面观； 2.翅。

明，具褐色斑纹；自翅痣向后斜经 *r-m* 横脉的一宽横带伸达翅后缘；覃盖 *m-cu* 横脉上的一横带与翅端斑纹联合；R_1 室中部的一短带自前缘伸至 R_3 室，不达 r_{4+5} 脉。Cu 室下端角短，约等于 $cu_2 + an_1$ 脉段长度的 1/4。足黄褐色。腹部被黑色细毛和鬃，黄褐色，第五背板两侧各有一个三角形黑色斑点。

体长：4.5mm；翅长：4.7mm。

正模♂，陕西日泉清泉沟，1971. VIII. 12，杨集昆采。

与梃纹偶角实蝇 *A. jucunda* Ito 较相似，其区别为雄性触角第 2 节上的角形突较短，仅等于触角长度的 3/4；沿翅 *r-m* 与 *m-cu* 横脉延伸的两褐色横带于翅后缘彼此隔离；R_1 室中部的褐色短带不达 r_{4+5} 脉。

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NOTES ON THE GENUS *AISCHROCRANIA* HENDEL FROM CHINA (DIPTERA: TEPHRITIDAE)

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Up till now, four species have been known in the genus *Aischrocrania* Hendel; three of them including one new species are from China and the other one from Japan. The new species is described here and the type specimen is kept in the Department of Plant Protection, Beijing Agricultural University. A key to the three species of *Aischrocrania* from China based upon the male characters is given below.

Key to Chinese species of *Aischrocrania* Hendel

1(4) Inferior fronto-orbitals 8-11 and at least 7-8 of which spine-like; a brown

band in the middle of cell R_1 from costa extending to r_{4+5}.

2(3) Horn-like projection on 2nd antennal segment longer, subequal to the length of antennae; a broad brown band along stigma backwards through r-m crossvein reachingto the middle of wing; a brown band over m-cu ending at r_{4+5} vein not joining the apical mark of wing. (Sichuan Province: Mt. Emei)..***A. aldrichi*** **Hendel**

3(2) Horn-like projection on 2nd antennal segment shorter, about 1/2 as long as antennae; a brown broad band along stigma backwards through r-m crossvein reaching to posterior margin of wing; a brown band over m-cu joining the apical mark of wing. (Taiwan)...............***A. quadrimaculata*** **(Shiraki)**

4(1) The number of inferior fronto-orbitals different on each side, 7 on the left side and 5 on the right, the bristles short and weak, not spine-like; a brown band in the middle of cell R_1 from costa extending to cell R_3, not reaching to r_{4+5}.(Shaanxi Province)................................***A. brevimedia*** **sp. nov.**

Aischrocrania brevimedia **sp. nov.** (figs. 1—2)

♂ Body mostly yellowish brown except for the black ocellar triangle, with a large black spot on each side of mesophragma and 1 pair of triangular black marks on 5th abdominal tergum along the sides. Closely related to *A. jucunda* Ito from Japan, but differs from the latter by the horn-like projection on 2nd antennal segment shorter, about 3/4 as long as antennae; two brown bands passing through r-m and over m-cu crossveins separated from each other at he posterior margin of wing; a brown band in the middle of cell R_1 shorter, extending to cell R_3 and rather than to r_{4+5} vein.

Length: body, 4.5 mm; wing, 4.7mm.

Holotype ♂, Riquan (36°N, 109°E), Shaanxi Province, Aug.12,1971, by Yang Ji-kun.